INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Under the Paperwork Reduction Act of 1995, no pe

Application Number		10518812			
Filing Date		2005-10-11			
First Named Inventor SMO		ORENBURG, Guido F.			
Art Unit		3762			
Examiner Name HOLM		MES, Rex R.			
Attorney Docket Number		22409-00281-118			

			Remove			
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevan Figures Appear
	1	4114627		1978-09-19	Lewyn et al.	
	2	4305396		1981-12-15	Wittkampf et al.	
	3	4343312		1982-08-10	Cals et al.	
	4	4373531		1983-02-15	Wittkampf et al.	
	5	4532930		1985-08-06	Crosby et al.	
	6	4543956		1985-10-01	Herscovici	
	7	4895152		1990-01-23	Callaghan et al.	
	8	4941179		1990-07-10	Bergenstoff et al.	

9	5016280	1991-05-14	Engebretson et al.	
10	5034918	1991-07-23	Jeong	
11	5172690	1992-12-22	Nappholz et al.	
12	5277694	1994-01-11	Leysieffer et al.	
13	5278994	1994-01-11	Black et al.	
14	5565503	1996-10-15	Garcia et al.	
15	5674264	1997-10-07	Carter et al.	
16	5748651	1998-05-05	Sheymblat	
17	5758651	1998-06-02	Nygard et al.	
18	5895416	1999-04-20	Barreras, Sr. et al.	
19	5963904	1999-10-05	Lee et al.	

20	6205360	A1	2001-03-20	Carter et al.	
21	6428484		2002-08-06	Battmer et al.	
22	6430402		2002-08-06	Agahi-Kesheh	
23	6463328		2002-10-08	John	
24	6537200	A1	2003-03-25	Leysieffer et al.	
25	6565503	A1	2003-05-20	Leysioffer et al.	
26	6575894	A1	2003-06-10	Leysidfor et al.	
27	6600955		2003-07-29	Zierhofer	
28	6697674	A1	2004-02-24	Leysieffer	
29	6751505		2004-06-15	Van Den Honert et al.	
30	7043303		2006-05-09	Overstreet	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

If you wish to add additional U.S. Patent citation information please click the Add button.

Application Number		10518812		
Filing Date		2005-10-11		
First Named Inventor		ORENBURG, Guido F.		
Art Unit		3762		
Examiner Name HOLM		MES, Rex R.		
Attorney Docket Number		22409-00281-US		

	U.S.PATENT APPLICATION PUBLICATIONS Remove										
		Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear					
	1	20010049466	A1	2001-12-06	Leysieffer et al.						
	2	20020026091		2002-02-28	Leysieffer						
	3	20040098063	A1	2004-05-20	Goetz						
	4	20050015133		2005-01-20	Ibrahim et al.						
	5	20050101878	A1	2005-05-12	Daly et al.						
	6	20050107845		2005-05-19	Wakefield et al.						
	7	20050245991	A1	2005-11-03	Faltys et al.						
	8	20070084995		2007-04-19	Newton et al.						
	9	20070255344		2007-11-01	Van Dijk						

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Not for submission under 37 GFR 1.99)
Examiner Name HOLMES, Res

Application Number		10518812		
Filing Date		2005-10-11		
First Named Inventor SMO		ORENBURG, Guido F.		
Art Unit		3762		
Examiner Name HOLM		MES, Rex R.		
Attorney Docket Numb	er	22409-00281-US		

	10		20080319508		2008-12	1-25	Botros et al.				
	11		20090043359		2009-02	!-12	Smoorenburg				
If you wis	h to a	dd a	dditional U.S. Publi						d butto		
					FOREIG	3N PAT	TENT DOCUM	IENTS		Remove	
Examiner Initial*	Cite No		reign Document mber ³	Country Code ²		Kind Code ⁴	Publication Date	Name of Patentee Applicant of cited Document		Pages,Columns,Lir where Relevant Passages or Relev Figures Appear	
	1	021	32336	EP			1988-09-14	Minnesota Mining 8	Mfg		
	2	083	36363	EP			1998-04-15	Phonak AG			
	3	007	76436	wo			2000-12-21	Cochlear Ltd			
	4	01	13991	wo			2001-03-01	Med El Elektromedizmische	e Ger		
	5	02/	082982	wo		A1	2002-10-24	Cochlear Limited			
	6	030	070322	wo			2003-08-28	Newmedic Internal Centre National de			
											\top

2004-03-18

Cochlear Limited

2004/021885

wo

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) Art Unit Learning Name HO

wo

publisher, city and/or country where published.

2005/122887

Application Number		10518812		
Filing Date		2005-10-11		
First Named Inventor	SMO	ORENBURG, Guido F.		
Art Unit		3762		
Examiner Name	HOL	MES, Rex R.		
Attorney Docket Number		22409-00281-US		

2005-12-29 Cochlear Americas

	9	2009/124035	wo		2009-10-08	Cochlear Americas		
	10	9210134	wo		1992-06-25	Knutsson Evert et al.		
	11	9324176	wo		1993-12-09	Tippey Keith Edward et al.		
	12	9414376	wo		1994-07-07	Cochlear Pty Ltd et al.		
	13	9501709	wo		1995-01-12	Univ Melbourne et al.		
	14	9612383	wo		1996-04-25	Univ Melbourne et al.		
	15	9709863	wo		1997-03-13	Cochlear Ltd et al.		
	16	9748447	wo		1997-12-24	Advanced Bionics Corp et al.		
If you wis	h to ac	dd additional Foreign P	atent Document	citation	information pl	lease click the Add buttor		
			NON-PATE	NT LITE	RATURE DO	CUMENTS	Remove	
Examiner	Cite	Include name of the a	uthor (in CAPITA	AL LET	TERS), title of	the article (when appropriate pages (s) volume is	riate), title of the item	TS

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number			10518812		
	Filing Date		2005-10-11		
	First Named Inventor SMO		ORENBURG, Guido F.		
Examiner Name HOLM			3762		
		HOLN	MES, Rex R.		
		er	22409-00281-US		

1	ABBAS et al., "Electrically Evoked Compound Action Potentials Recorded from Subjects Who Use the Nucleus C124M Device," Ann. Clof. Rhinol. Laryngol. Suppl.; Dec. 2000; 185; pages 6-9.	
2	ABBAS et al., "Summary of Results Using the Nucleus CI24M Implant to Record the Electrically Evoked Compound Action Potential," Ear and Hearing, vol. 20(1), Feb. 1999, pages 45-59.	
3	Australian Examiner's First Report for Patent Application no. 2005254100, dated December 17, 2009	
4	Austrian First Office Action (English Translation) for Austrian Official file no. 3B A 9165/2003-1, related to PCT/ AU2003/000804, dated March 20, 2007.	
5	BAUMGARTE et al., "A Nonlinear Psychoacoustic Model Applied to the ISO MPEG Layer 3 Coder," Proc. 99th Conv. Aud. Eng. Soc., New York, NY, Oct. 1995, preprint 4087.	
6	BROWN et al., "Electrically Evoked Whole-Nerve Action Potentials: Data from Human Cochiear Implant Users," Journal of Acoustical Society of America, Vol. 18, No. 3, Sept. 1990, pages 1385-1391.	
7	CHARASSE et al., "Automatic Analysis of Auditory Nerve Electrically Evoked Compound Action Potential with an Artificial Neural Network," Artificial Intelligence in Medicine, Mar. 3, 2004, pages 221-229.	
8	CHARASSE et al., "Comparison of Two Different Methods to Automatically Classify Auditory Nerve Responses Recorded with NRT System," Acta Acustica United with Acustica, vol. 90, Jan. 22, 2004, pages 512-519.	
9	COHEN et al., "Spatial spread of neural excitation in occhiear implant recipients: comparison of improved ECAP method and psychophysical forward masking," Hearing Research, 179 (2003), pages 72-87.	
10	COHEN et al., "Spatial spread of neural excitation: companison of compound action potential and forward-masking data in cochiear implant recipients," International Journal of Audiology 2004, 43, pages 346-355.	
11	DELGADO et al., "Automated Auditory Brainstern Response Interpretation," IEEE Engineering in Medicine and Bridgy, April/May 1994, pages 227-237.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		10518812
Filing Date		2005-10-11
First Named Inventor	SMOORENBURG, Guido F.	
Art Unit		3762
Examiner Name	HOLMES, Rex R.	
Attorney Docket Number		22409-00281-US

12	DLK et al., "Development of a Prototype Fully-Automated Intra-Operative ECAP Recording Tool, Using NRT(TM) v3," 2003 Conference on Implantable Auditory Prostheses, 2003, 7 pages total.	
13	DILLIER et al., "Measurement of the Electrically Evoked Compound Action Potential via a Neural Response Telemetry System," Annals of Otology, Rhinology & Laryngology, vol. 111, no. 5, May 2002, pages 407-414.	
14	EDLER et al., "ASAC-Analysis/Synthesis Audio Codec for Very Low Bit Rates," Proc. 100th Conv. Aud. Eng. Soc., May 1996, preprint 4179.	
15	European Search Report (Annex), EP 01 95 9971, dated August 2, 2005.	
16	FRANCK et al., "Estimation of Psychophysical Levels Using the Electrically Evoked Compound Action Potential Measured with the Neural Response Telemetry Capabilities of Cochiear Corporation's Ci24M Device," Ear & Hearing, Vol. 22, No. 4, August 2001, pages 289-299.	
17	FRANCK, "A Model of a Nucleus 24 Cochlear Implant Friting Protocol Based on the Electrically Evoked Whole Nerve Action Potential," Ear & Hearing, Vol. 23, No. 18, February 2002, pages 678-718.	
18	HARTMANN et al., "Evoked Potentials from the Auditory Nerve Following Simusoidal Electrical Simulation of the Cochies. New Possibilities for Preoperative Testing in Cochiesr-Implant Candidates?", Acta Otoicaryngol (Slockh) 1994,114, pages 495-500.	
19	HUGHES et al., "Comparison of EAP Thresholds with MAP Levels in the Nucleus 24 Cochlear Implant: Data from Children," Ear and Hearing, vol. 21(2), Apr. 2000, pages 164-174.	
20	International Preliminary Examination Report for PCT/AU2003/000804, dated December 20, 2006.	
21	International Preliminary Examination Report for PCT/FR2003000577, dated May 7, 2004 (English translation).	
22	International Preliminary Examination Report, PCT/AU01/01032, dated April 10, 2002.	

23	International Preliminary Examination Report, PCT/AU02/00500, dated February 12, 2003.	
24	International Preliminary Report on Patentiability for PCT/US2005/021207, dated December 20, 2006.	
25	International Search Report for PCT/FR2003/00577, dated July 4, 2003.	
26	International Search Report for PCT/IUS2005/21/207, dated February 8, 2006.	
27	international Search Report for PCT/US2009/038932, dated June 5, 2009.	
28	International Search Report, PCT/AU01/01032, dated October 5, 2001.	
29	International Search Report, PCT/AU02/00500, dated June 26, 2002.	
30	LAI et al., "A Simple Two-Component Model of the Electrically Evoked Compound Action Potential in the Human Cochiea," Audiology & Neuro - Otokoyy, Nov/Dec. 2000; 5; pages 333-345.	
31	MILLER et al., "An Improved Method of Reducing Stimulus Antifact in the Electrically Evoked Whole-Nerve Potential," Ear & Hearing, Vol. 21, No. 4, August 2000, pages 280-290.	
32	NICCLAI et al., "Performance of Automatic Recognition Algorithms in Nucleus Neural Response Telemetry (NRT(TM)), 2003 Conference on Implantable Auditory Prostheses, 2003, one page total.	
33	RIEDMILLER et al., "A Direct Adaptive Method for Faster Backpropagation Learning: The RPIROP Algorithm." Proceedings of the International IEEE Conference on Neural Networks - 1993, Volume 1, March 28 - April 1, 1993, pages 596-591.	

34	SEYLE et al , "Speech Perception Using Maps Based on Neural Response Telemetry Measures," Ear & Hearing, Vol 23, No. 18, February 2002, pages 728-798.	
35	SMCORENBURG et al., "Speech Perception in Nucleus Ct24M Cochlear Implant Users with Processor Settings Based on Electrically Evolved Compound Action Potential Thresholds," Audiology & Neuro - Otology, Nov./Dec. 2002, 7. pages 335-347.	
36	Supplementary Partial European Search Report, EP 02 71 7863 dated October 18, 2005.	
37	THAL-VAN et al., "Modeling the Relationship Between Psychophysical Petrospion and Electrically Evoked Compound Action Potential Threshold in Young Cochiear Implant Recipients: Clinical Implications for Implant Fitting,"	
38	VANNIER et al., "Objective Detection of Brainstern Auditory Evoked Potentials with a Priori Information from Higher Presentation Levels," Artificial Infelligence in Medicine, Feb. 21, 2002, pages 283-301.	
39	Witten Opinion for PCT/US2009/038932, dated June 5, 2009.	
40	Written Opinion, PCT/US2005/021207 dated February 8, 2006.	
41		

If you wish to add additional non-patent literature document citation information please click the Add button Add

citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER SIGNATURE

Examinor Signature Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a

See Kind Codes of USPTO Patent Documents at were USPTO.GDV or MPEP 801.64. * Enter office that issued the document, by the two-leder code (WIPO Standard STS). * For Japanese patent documents, the solication of the year of the region of the Engager must precede the serial number of the patent document. English interpret and the serial patent document. English interpret and serialistics as standard. ** an exhabition of the Comment south WIPO Standard STM (Sprantation set although as codes must be extra the serial serial sets and serial s